



DRI PYRAMID REED VALVE INSTALLATION INSTRUCTIONS

Model: '87-Present Yamaha Banshee

1. Remove front plastics and fuel tank.
2. Remove carburetors and airbox.
3. Remove stock reed cages.
4. Clean reed gasket surfaces on cylinders so that they are free of any material and are perfectly smooth.
5. Install new PYRAMID Reed Valves into each cylinder using new reed gaskets (not included) between the cylinder and the pyramid reed valve (like stock cages). DR recommends applying a light coat of grease to the gasket.
*NOTE: Each PYRAMID Reed Valve should be installed with serial number facing down towards the engine and PYRAMID decals on the outside of the engine.
6. INTAKE MANIFOLD INSTALLATION:
 - a. If you are using stock intake manifolds, install without a gasket between PYRAMID Reed Valve and intake manifold (same as stock), use stock 6x25mm allen bolts, torque in a criss cross pattern to 8-10 ft. lbs. in graduations of 5 ft lbs.
 - b. If you are using a DR "MASTER FLOW" Intake Manifold/Boost Bottle system please note the following: You MUST remove the flow plate from each manifold, this is done by supporting each individual manifold on a couple pieces of wood and tapping out the flow plate with an aluminum or brass punch and hammer. You MUST use an OEM Reed Gasket (not included) between MASTER FLOW Manifold and PYRAMID Reed Valves. We recommend applying a light coat of grease to the gasket to enhance its ability to seal. When installing reed bolts, install the (2) 6x35mm allen bolts in the upper inside holes. This is required because of the additional mounting bracket for the boost bottle. Install the (6) 6x30mm allen bolts on the remaining holes. *(Make sure to use washers supplied with the MASTER FLOW assembly). Torque to 8-10 ft. lbs. in graduations of 5 ft. lbs.
7. Pressure Test engine for air leaks. (See "2-Stroke Pressure Testing" tech sheet for instructions). DR STRONGLY RECOMMENDS THIS TEST. FAILURE TO PERFORM TEST MAY RESULT IN ENGINE DAMAGE and can void any product warranties, written or implied.
8. Re-install carburetors. Assuming your engine was jetted correctly before the installation of your PYRAMID Reed Valves and no additional modifications were made, your jetting should be OK. But DR recommends that the jetting be checked.
9. Install airbox. *NOTE: Due to thickness of PYRAMID Reed Valves, you will no longer be able to hook airbox over tabs on frame. Instead, you will need to butt the airbox up to the frame mounting tabs and secure with zip tie type fastener or shorten the front of the airbox. Rear airbox mounting bolts will still work like they did originally.
10. Install fuel tank and plastics.
11. Go riding and enjoy your New PYRAMID REED VALVES.



A FEW NOTES CONCERNING PYRAMID REED VALVES:

1. PYRAMID Reed Valves work well with both stock or ported cylinders.
2. YAMAHA BANSHEE PYRAMID Reed Valves work most efficiently with DR "MASTER FLOW" Intake Manifold/Boost Bottle System.
3. PYRAMID Reed Valves enhance performance throughout all RPM ranges and are recommended for all riding applications.
4. Reed pedal replacement should be done in complete sets. Complete replacement sets (Part # PRV-935) can be ordered through DUNCAN RACING. *NOTE: When replacing reed pedals, make sure reed pedal screws are tightened firmly but **DO NOT USE LOCTITE** on them.
5. Reed pedal life will vary depending on the RPM range used. The higher the RPM range of usage, the lower the reed pedal life will be. Life can vary from 10-100 hours and should be checked during regular top end maintenance.

For more information or technical support, contact DUNCAN RACING INTERNATIONAL at 619-258-6306, 9:00-5:00 PST Tues-Fri, or write to:

DUNCAN RACING INTERNATIONAL
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We also have a large amount of technical information on our website:

www.duncanracing.com

DUNCAN RACING INTERNATIONAL offers a wide variety of the world's finest performance accessories for you YAMAHA BANSHEE. Including: Paul Turner Midrange or High Rev Pipes, Fat Boy Silencers, PWERHEADS, PTR NATIONAL Porting, Keihin Carburetors, K&N Filters, Outerwears, Crown Brakelines, Roll Design A-Arms, Elka Shocks, Team Axles, Billet Shifters, Billet Front Hubs, Steering Stabilizers and more...